Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/24/2017 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124881	-1	1.76	124757	1.74
Blue	F	SSC	125000	124525	-1	3.03	124869	2.85
Blue	E	FITC	22946	22343	-3	2.37	992	9.88
Blue	D	PE	28770	28414	-2	2.00	1020	9.23
Blue	B	PerCP-Cy5-5	51099	50378	-2	3.34	1446	16.28
Blue	A	PE-Cy7	42312	41682	-2	4.92	647	33.96
Red	C	APC	52169	51077	-3	2.88	2945	9.33
Red	A	APC-Cy7	56705	55401	-3	2.89	1149	11.08
Violet	B	V450	14708	13932	-6	4.78	668	9.15
Violet	A	V500	58608	56665	-4	4.62	2512	6.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18443	6.47	600	2	N/A	N/A	Pass
Blue	F	SSC	61626	1.47	531	13	N/A	N/A	Pass
Blue	E	FITC	112	36.63	536	5	0.0222	99	Pass
Blue	D	PE	223	26.32	533	7	0.1722	180	Pass
Blue	B	PerCP-Cy5-5	228	42.85	628	6	0.0110	92	Pass
Blue	A	PE-Cy7	70	117.49	676	5	0.0131	21	Pass
Red	C	APC	344	27.09	591	1	0.0211	64	Pass
Red	A	APC-Cy7	127	38.73	576	0	0.0057	1398	Pass
Violet	B	V450	80	40.15	465	6	0.0480	1678	Pass
Violet	A	V500	182	22.55	494	6	0.0157	543	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.26	-30.89	0.84
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	16.30	13.27 - 19.91	N/A	N/A	31.35	31.50	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14252

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments